BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

Name of Work: Modified Estimated for Asphalting of damaged reaches in Shettyhalli & Mallasandra, in Ward No.12, of Shettyhalli Sub Division.

Est. Cost Rs 45.50 Lakhs

Sl. No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-1.1 : Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. KSRB 2-1.2: – do – Hard soil (P.152, I. No..19.2 PW, P & IWTD -SR 2013-14)								
		Cum	1	110.00	5.00	0.35	**192.50**		
			1	82.00	5.00	0.35	**143.50**		
			1	83.00	5.00	0.35	**145.25**		
			1	171.00	5.00	0.35	**299.25**		
			1	68.00	5.00	0.30	**102.00**		
			1	41.00	5.00	0.35	**71.75**		
			1	365.00	0.60	0.40	**87.60**		
	Damaged Portion		1	55.00	7.50	0.40	**165.00**		
			1	81.00	8.00	0.40	**259.20**		
							1466.05	**65.88**	**96583.00**
	Basic Rate	61.00							
	Add Area Weightage 8%	4.88							
	Total	**65.88**							
2	KSRRB M400-6.1. Construction of granular sub-base by providing close graded material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A. Plant Mix Method. Close graded granular sub-base material as per 400-1 For Grading- I Material(P.167/I.20.41 PW, P & IWTD -SR 2013-14)								
		Cum	1	110.00	5.00	0.15	**82.50**		
			1	82.00	5.00	0.15	**61.50**		
			1	83.00	5.00	0.15	**62.25**		
			1	171.00	5.00	0.15	**128.25**		
			1	68.00	5.00	0.15	**51.00**		
			1	41.00	5.00	0.15	**30.75**		

			1	365.00	0.60	0.15	**32.85**		
	Damaged Portion		1	55.00	7.50	0.15	**61.88**		
			1	81.00	8.00	0.15	**97.20**		
							608.18	**1060.56**	**645006.00**
	Basic Rate	982.00							
	Add Area Weightage 8%	78.56							
	Total	**1060.56**							
3	KSRRB M400- Wet Mix Macadam - KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 (P.167/I.20.18 PW, P & IWTD - SR 2013-14)								
		Cum	1	110.00	5.00	0.20	**110.00**		
			1	82.00	5.00	0.20	**82.00**		
			1	83.00	5.00	0.20	**83.00**		
			1	171.00	5.00	0.20	**171.00**		
			1	68.00	5.00	0.20	**68.00**		
			1	41.00	5.00	0.20	**41.00**		
			1	365.00	0.60	0.20	**43.80**		
			1	55.00	7.50	0.20	**82.50**		
			1	81.00	8.00	0.20	**129.60**		
							810.90	1121.04	**909051.00**
	Basic Rate	1038.00							
	Add Area Weightage 8%	83.04							
	Total	**1121.04**							
4	KSRRB M500-6. Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH Specification No. 502 Page No. 175/ Item No. 21.6/ PWD SR 2013-14								
		Sqm	1	110.00	5.00		**550.00**		
			1	82.00	5.00		**410.00**		
			1	83.00	5.00		**415.00**		
			1	171.00	5.00		**855.00**		
			1	68.00	5.00		**340.00**		
			1	41.00	5.00		**205.00**		

			1	365.00	0.60		**219.00**		
			1	55.00	7.50		**412.50**		
			1	81.00	8.00		**648.00**		
							4054.50	44.28	**179533.00**
	Basic Rate	41.00							
	Add Area Weightage 8%	3.28							
	Total	**44.28**							
5	KSRRB 500-11. Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant, transporting the mixd material in tipper to paver and laying mixed materials with payer finisher to the required level and grade, rolling by power roller to Achieve the desired density, but excluding cost of primer I tack coat including lead, lift and cost of all materials, labour, HOM of machineries complete as per specifications.								
		Cum	1	365.00	0.60	0.05	**10.95**		
	Camber Correction and Depression Filling		1	365.00	1.00	0.05	**18.25**		
	Damages Portion		1	50.00	7.50	0.05	**18.75**		
			1	81.00	8.00	0.05	**32.40**		
							80.35	6646.32	**534032.00**
	Basic Rate	6154.00							
	Add Area Weightage 8%	492.32							
	Total	**6646.32**							
6	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications.								
		Sqm	1	365.00	10.00		**3650.00**		
							3650.00	2.59	**9461.00**
	Add Area Weightage 8%	2.40							
	Total	0.19							
	Total	**2.59**							
7	KSRRB M500-10. Providing and applying tack coat using 80/100 grade bitumen(VGIO) in boiler fitted with spray set distributor at the rate of 0.20 kg per sqm on the existing prepared bituminous surface cleaned with mchancial broom, complete as per specifications.								
		Sqm	1	365.00	10.00		**3650.00**		
	Camber Correction and Depression Filling		1	365.00	1.00		**365.00**		
							4015.00	11.99	**48132.00**

	Basic Rate	11.10							
	Add Area Weightage 8%	0.89							
	Total	**11.99**							
	KSRRB M500-18. Providing and laying semi dense bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 508 complete in all respects complete as per specifications.								
		Cum	1	110.00	5.00	0.025	**13.75**		
			1	82.00	5.00	0.025	**10.25**		
			1	83.00	5.00	0.025	**10.38**		
			1	171.00	5.00	0.025	**21.38**		
			1	68.00	5.00	0.025	**8.50**		
			1	41.00	5.00	0.025	**5.13**		
			1	8.00	5.00	0.025	**1.00**		
			1	365.00	10.00	0.025	**91.25**		
							161.63	**9631.44**	**1556681.49**
	Basic Rate	8918.00							
	Add Area Weightage 8%	713.44							
	Total	**9631.44**							
9	Carriage of mixed materials 10kms . For items of Sl. No (1) rs. 5.20 per cum/km. Page No. 186/PWD SR 2013-14								
	Item 5 + 8						**241.98**	56.16	**13589.00**
	Basic Rate	52.00							
	Add Area Weightage 8%	4.16							
	Total	**56.16**							
10	Disposal of debries to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 10km a) Basic rate for haulage of materials as per item no, 17.4/KSRRB:M100-4.1.....Rs. 2.00 Tonne/km b) Average earth work 1.28 Tonne/km for Rs. 2.00/Km c) Add loading and unloading item no. 17.1 KSRRB M100-1 Rs. 62.20 (P.150, Item no. 18.57/1, PWD SR 2013-14)								
	Qty Vide Item No=1	Cum					**1466.05**	72.71	**106596.00**
	Qty Limited to								
	Basic Rate (Rs.2.0 x 1.28 x 2	5.12							
	Loading and Unloading Charges	62.20							
		67.32							
	Area Weightage 8%	5.39							
	Total	**72.71**							

							Total		4098664.00
	KRIDL Charges + Cess - 11%								450854.00
3	Miscellaneous and Unforeseen Charges	LS							482
							Total		4550000.00
(Rupees Forty Five Lakhs Fifty Thousand Only)									

CERTIFICATE

1 The Work spot has been inspected and the work found to be necessary
2 The Estimate is prepared as per the PWD SR 2013-14
3 The Provision made in estimate are adequate and essential
4 This area comes under BBMP limits.

Asst Engineer
Shettyhalli Sub Division

Asst Executive Engineer
Shettyhalli Sub Division
Dasarahalli Zone, BBMP

Executive Engineer
Dasarahalli Zone
BBMP

CE/D2/TS/35/14-15
ದಿನಾಂಕ : 20/5/2014
ರೂ. 45:50 lakhs (Forty five lakhs Fifty Thousand only)

Job code-012-13-000025
P. code. 2201